

PROJECT 10073 RECORD CARD

1. DATE 25 June 1963		2. LOCATION Mount Vernon, New York		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input checked="" type="checkbox"/> Was Aircraft <input checked="" type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input type="checkbox"/> Other <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown	
3. DATE-TIME GROUP Local 1000PM GMT 26/045-0100Z		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Civilian			
7. LENGTH OF OBSERVATION 5 minutes		8. NUMBER OF OBJECTS one		9. COURSE NE	
10. BRIEF SUMMARY OF SIGHTING Object believed to be ECHO in orbit in flight to NE across the big dipper. Thought to move too rapidly for a/c. In sight for 5 minutes.				11. COMMENTS Duration and description consistent with analysis as high flying a/c. ECHO in Souther Hemisphere at time. If witness on Daylight Saving Time ECHO was over the Pacific Ocean, Not visible in New York.	

DEPARTMENT OF THE AIR FORCE
OFFICE OF THE SECRETARY

MEMORANDUM

August 12, 1963

Dear Mr. [REDACTED]:

Your letter to the National Aeronautics and Space Administration has been forwarded to this office. The Air Force has determined that Echo was moving southeast at the time of the sighting. The object observed, then, was not Echo but could have been an aircraft.

Sincerely,

MASTON M. JACKS
Major, USAF
Public Information
Office of Information

HEADQUARTERS
FOREIGN TECHNOLOGY DIVISION
AIR FORCE SYSTEMS COMMAND
UNITED STATES AIR FORCE
WRIGHT-PATTERSON AIR FORCE BASE, OHIO



TDEW

1 August 1963

Request for UFO Information ~~(Security Information &)~~

Hq USAF SAF-OI 3b (Mrs. Wells)
Wash 25 DC

1. Reference the attached correspondence from ~~Delbert H. Hapkins~~ and ~~Beverly Hapkins~~ requesting information on unidentified flying objects. This correspondence is forwarded to your office for whatever action you deem necessary.
2. Anent ~~Delbert Hapkins~~' letter, if the time of the sighting was Daylight Saving Time, the object was Echo; if not, there is insufficient data for evaluation.
3. Anent Mr. ~~Delbert Hapkins~~ inquiry, Echo was moving southeast at the time of the sighting. The object observed, then, was not Echo but could have been an aircraft.

FOR THE COMMANDER

ERIC T. de JONCKHEERE
Colonel, USAF
Deputy for Technology and Subsystems

- 2 Atch
1. Ltr fm ~~Delbert Hapkins~~,
postmarked 2 Jul 63.
2. Postcard fm ~~Delbert Hapkins~~,
postmarked
27 Jun 63.

National Aeronautics and Space Administration

Gentlemen:

Last evening (25 June) my brother, his wife and I sighted and visually followed a rapidly moving star-like object in the heavens. The object moved in a southwest to northeast direction across the Big Dipper. We maintained visual contact for approximately five minutes from 9:45 to 10:00.

We believe it was an earth satellite circling the globe. Perhaps it was the balloon satellite ECHO. The object moved too rapidly at that distance to be any type aircraft.

Would you please give us some answers to the "mystery".

Sincerely yours,
~~Eric T. de Jonckheere~~

SMITHSONIAN ASTROPHYSICAL OBSERVATORY, CAMBRIDGE, MASSACHUSETTS

JUNE 19, 1963

SATELLITE 1960 IOTA 1, SCHE 1

These predictions are based on orbital elements revised on June 17, 1963
 T_0 = June 18.0, times are in days, U.T.
 Argument of perigee = $322.404 + 3.4818 (t - T_0)$
 Right ascension of ascending node = $156.785 - 3.3002 (t - T_0)$

Eccentricity = $0.049678 + 2.019 \times 10^{-4} (t - T_0)$ Semi-major axis = 7.061343 astronomical unitsMean anomaly (Rev.) = $0.33111 + 12.502001 (t - T_0) + 1.225 \times 10^{-4} (t - T_0)^2$

EQUATOR S-N				SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.		TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.
(UT)	(W)			CORR.	CORR. (MI)	(N-E)		CORR.	CORR. (MI)	(N-E)	
JUNE 22, 1963											
1 22.7	146.52	47.5		27.4	-82.95	1003	90.0°	27.4	-83.00	1003	90.0°
3 17.4	175.64	45.0		22.4	-60.70	933	72.2°	33.3	-105.01	1065	107.8°
5 12.9	234.75	40.0		19.3	-45.72	877	60.7°	37.7	-120.11	1105	119.4°
7 8.0	231.87	35.0		15.3	-35.11	836	54.0°	41.1	-129.63	1128	126.1°
9 3.0	262.08	30.0		12.7	-28.77	802	49.4°	44.0	-136.88	1143	130.7°
10 58.1	292.10	20.0		9.2	-17.45	748	43.7°	49.3	-148.01	1156	136.5°
12 53.2	321.21	0.		0.	0.	681	40.0°	59.1	-165.06	1133	140.3°
14 48.3	350.33	-20.0		-8.0	17.48	565	43.6°	-46.6	148.71	1057	136.4°
16 43.4	19.44	-40.0		-12.4	28.86	478	49.5°	-41.5	137.51	1001	130.7°
18 38.5	48.56	-35.0		-14.8	36.23	692	54.0°	-38.7	130.22	967	126.1°
20 33.6	77.67	-40.0		-17.6	45.89	714	60.7°	-35.4	120.64	927	119.4°
22 28.7	106.79	-45.0		-21.5	61.14	750	72.2°	-31.5	105.46	873	107.8°
		-47.5		-26.4	83.30	807	90.0°	-26.4	83.34	808	90.0°
JUNE 23, 1963											
0 23.8	159.90	47.5		27.6	-82.98	989	90.0°	27.6	-83.03	989	90.0°
2 18.9	165.02	45.0		22.3	-60.92	919	72.2°	33.1	-105.05	1054	107.8°
4 13.0	194.13	40.0		18.2	-45.74	842	60.7°	37.6	-120.15	1096	119.4°
6 8.0	223.25	35.0		15.2	-35.13	822	54.0°	40.9	-129.68	1121	126.1°
8 3.1	252.36	30.0		12.7	-28.79	789	49.4°	43.8	-136.93	1138	130.7°
9 59.2	281.48	20.0		9.1	-17.45	737	43.7°	49.1	-148.06	1155	136.5°
11 54.3	310.59	0.		0.	0.	675	40.0°	58.9	-165.11	1137	140.3°
13 49.4	339.70	-20.0		-8.0	17.49	665	43.6°	-46.7	148.67	1089	136.4°
15 44.5	8.82	-40.0		-12.4	28.86	602	49.5°	-41.6	137.48	1015	130.7°
17 39.6	37.93	-35.0		-14.8	36.23	698	54.0°	-38.9	130.17	981	126.1°
19 34.7	67.05	-40.0		-17.6	45.89	721	60.7°	-35.7	120.62	941	119.4°
21 29.7	96.16	-45.0		-21.5	61.13	760	72.2°	-31.6	105.45	886	107.8°
23 24.8	125.28	-47.5		-26.4	83.28	820	90.0°	-26.5	83.33	820	90.0°
JUNE 24, 1963											
1 19.9	144.33	47.5		27.5	-83.02	974	90.0°	27.5	-83.07	974	90.0°
3 15.0	193.51	45.0		22.2	-60.95	903	72.2°	32.9	-105.10	1041	107.8°
5 10.1	212.62	40.0		18.1	-45.76	847	60.7°	37.4	-120.21	1084	119.4°
7 5.2	241.73	35.0		15.1	-35.14	807	54.0°	40.7	-129.73	1113	126.1°
9 0.3	270.85	30.0		12.6	-28.80	776	49.4°	43.6	-136.98	1132	130.7°
10 55.3	299.96	20.0		9.1	-17.46	726	43.7°	48.7	-148.12	1153	136.5°
12 50.4	329.08	0.		0.	0.	670	40.0°	58.4	-165.17	1146	140.3°
14 45.5	358.19	-20.0		-8.0	17.47	666	43.6°	-46.9	148.67	1087	136.4°
16 40.6	7.30	-40.0		-12.4	28.86	607	49.5°	-41.9	137.44	1029	130.7°
18 35.7	36.42	-35.0		-14.8	36.23	703	54.0°	-39.0	130.16	996	126.1°
20 30.8	65.53	-40.0		-17.6	45.88	730	60.7°	-35.8	120.59	957	119.4°
22 25.9	94.65	-45.0		-21.5	61.13	772	72.2°	-31.7	105.42	902	107.8°
		-47.5		-26.4	83.27	834	90.0°	-26.5	83.32	834	90.0°
JUNE 25, 1963											
0 20.9	153.16	47.5		27.4	-83.05	960	90.0°	27.4	-83.10	960	90.0°
2 16.0	172.27	45.0		22.1	-60.98	889	72.2°	32.8	-105.14	1028	107.8°
4 11.1	201.38	40.0		18.0	-45.78	833	60.7°	37.2	-120.25	1075	119.4°
6 6.2	230.49	35.0		15.0	-35.16	794	54.0°	40.5	-129.77	1104	126.1°
8 1.3	259.60	30.0		12.5	-28.81	763	49.4°	43.4	-136.93	1125	130.7°
9 56.3	288.71	20.0		9.0	-17.47	716	43.7°	48.7	-148.14	1150	136.5°
11 51.4	317.82	0.		0.	0.	665	40.0°	58.4	-165.22	1150	140.3°
13 46.5	346.93	-20.0		-8.0	17.48	668	43.6°	-47.1	148.58	1093	136.4°
15 41.6	8.04	-40.0		-12.4	28.86	612	49.5°	-41.9	137.40	1042	130.7°
17 36.7	37.15	-35.0		-14.8	36.23	712	54.0°	-39.1	130.12	1010	126.1°
19 31.8	66.26	-40.0		-17.6	45.89	739	60.7°	-35.9	120.56	971	119.4°
21 26.9	95.37	-45.0		-21.5	61.14	783	72.2°	-31.7	105.49	916	107.8°
23 22.0	124.48	-47.5		-26.4	83.30	847	90.0°	-26.5	83.35	847	90.0°

EQUATOR S-N			SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.	TIME	LONG.	MT.	BEAR.	TIME	LONG.	MT.	BEAR.
(UT)	(W)		CORR.	CORR. (MI)	(N-E)		CORR.	CORR. (MI)	(N-E)	
JUNE 26, 1963										
1 17.0	162.23	47.5	27.2	-83.09	944	90.0°	27.2	-83.14	944	90.0°
3 12.1	191.35	45.0	22.0	-61.00	873	72.2°	32.6	-105.18	1014	107.8°
5 7.2	220.46	40.0	18.0	-45.80	818	60.7°	37.0	-120.30	1063	119.4°
7 2.3	249.57	35.0	15.0	-36.17	780	54.0°	40.3	-129.84	1094	126.1°
8 57.4	278.69	30.0	12.5	-28.82	751	49.4°	43.2	-137.09	1117	130.7°
10 52.4	307.80	20.0	9.0	-17.47	704	43.6°	48.5	-148.23	1146	136.5°
12 47.5	336.91	0.	0.	0.	662	40.0°	58.2	-165.28	1155	140.3°
14 42.6	6.03	-20.0	-8.0	17.49	671	43.6°	-47.3	148.53	1104	136.5°
16 37.7	35.14	-40.0	-12.4	28.86	699	49.5°	-42.1	137.36	1056	130.7°
18 32.8	64.25	-35.0	-14.8	36.23	720	54.0°	-39.3	130.09	1025	126.1°
20 27.9	93.36	-40.0	-17.7	45.87	749	60.7°	-36.1	120.53	987	119.4°
22 22.9	122.48	-45.0	-21.4	61.11	795	72.2°	-31.9	105.37	932	107.8°
		-47.5	-26.6	83.23	861	90.0°	-26.7	83.28	862	90.0°
JUNE 27, 1963										
0 18.0	191.59	47.5	27.1	-83.12	930	90.0°	27.1	-83.17	930	90.0°
2 13.1	180.70	45.0	21.9	-61.03	858	72.2°	32.5	-105.22	1000	107.8°
4 8.2	209.81	40.0	17.9	-45.82	804	60.7°	36.8	-120.34	1051	119.4°
6 3.3	238.93	35.0	15.0	-36.19	768	54.0°	40.1	-129.88	1084	126.1°
7 58.3	268.04	30.0	12.5	-28.83	739	49.4°	43.0	-137.14	1109	130.7°
9 53.4	297.15	20.0	9.0	-17.48	698	43.6°	48.2	-148.29	1142	136.5°
11 48.5	326.26	0.	0.	0.	659	40.0°	58.0	-165.33	1158	140.3°
13 43.6	355.38	-20.0	-8.0	17.49	675	43.6°	-47.5	148.48	1114	136.5°
15 38.7	24.49	-40.0	-12.4	28.86	705	49.4°	-42.3	137.32	1069	130.7°
17 33.7	53.60	-35.0	-14.8	36.27	728	54.0°	-39.4	130.05	1037	126.1°
19 28.8	82.71	-40.0	-17.7	45.86	759	60.7°	-36.2	120.49	1001	119.4°
21 23.9	111.83	-45.0	-21.6	61.09	808	72.2°	-32.0	105.35	946	107.8°
23 19.0	140.94	-47.5	-26.7	83.22	875	90.0°	-26.7	83.26	876	90.0°
JUNE 28, 1963										
1 14.0	170.05	47.5	27.0	-83.15	916	90.0°	27.0	-83.20	916	90.0°
3 9.1	199.16	45.0	21.8	-61.05	843	72.2°	32.3	-105.26	993	107.8°
5 4.2	228.27	40.0	17.8	-45.83	790	60.7°	36.6	-120.39	1047	119.4°
7 59.3	257.39	35.0	14.9	-36.20	755	54.0°	39.9	-129.93	1082	126.1°
9 54.4	286.50	30.0	12.4	-28.84	726	49.4°	42.8	-137.17	1107	130.7°
10 49.4	315.61	20.0	9.0	-17.48	689	43.6°	47.9	-148.35	1136	136.5°
12 44.5	344.72	0.	0.	0.	657	40.0°	57.7	-165.37	1159	140.3°
14 39.6	13.83	-20.0	-8.0	17.49	679	43.6°	-47.7	148.43	1124	136.5°
16 34.7	42.95	-40.0	-12.4	28.86	713	49.4°	-42.5	137.27	1082	130.7°
18 29.7	72.06	-35.0	-14.9	36.21	738	54.0°	-39.6	130.00	1053	126.1°
20 24.8	101.17	-40.0	-17.8	45.85	771	60.7°	-36.4	120.45	1016	119.4°
22 19.9	130.28	-45.0	-21.7	61.08	821	72.2°	-32.1	105.31	967	107.8°
		-47.5	-26.8	83.17	871	90.0°	-26.8	83.24	871	90.0°
JUNE 29, 1963										
0 19.0	159.39	47.5	26.9	-83.18	899	90.0°	26.9	-83.23	899	90.0°
2 10.1	188.50	45.0	21.7	-61.07	828	72.2°	32.2	-105.30	970	107.8°
4 5.1	217.62	40.0	17.8	-45.85	777	60.7°	36.4	-120.43	1024	119.4°
6 0.2	246.73	35.0	15.1	-36.21	743	54.0°	39.7	-129.98	1061	126.1°
7 55.3	275.84	30.0	12.4	-28.85	718	49.4°	42.6	-137.24	1092	130.7°
9 50.4	304.95	20.0	9.0	-17.49	682	43.6°	47.8	-148.40	1129	136.5°
11 45.4	334.06	0.	0.	0.	655	40.0°	57.5	-165.45	1161	140.3°
13 40.5	3.17	-20.0	-8.0	17.49	684	43.6°	-47.9	148.38	1133	136.5°
15 35.6	32.29	-40.0	-12.4	28.86	722	49.4°	-42.7	137.22	1094	130.7°
17 30.7	61.40	-35.0	-14.9	36.21	748	54.0°	-39.8	130.06	1066	126.1°
19 25.7	90.51	-40.0	-17.8	45.86	783	60.7°	-36.5	120.47	1032	119.4°
21 20.9	119.62	-45.0	-21.8	61.06	834	72.2°	-32.2	105.34	977	107.8°
23 16.0	148.73	-47.5	-26.9	83.17	895	90.0°	-26.9	83.21	895	90.0°